

Commonwealth of Kentucky

Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: Frough Sherwani

GENERAL INFORMATION:

Name: Continental Web Press of Kentucky
Address: 125 Richwood Road
Walton, KY 41094
Date application received: October 23, 2007
SIC/Source description: 2752/Commercial Lithographic printing
AFS (10-digit) Plant ID: 21-015-00114
AI #: 37167
Activity Number: APE20070001
Permit number: F-03-003R1

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
<input type="checkbox"/> Administrative	<input type="checkbox"/> Title V
<input checked="" type="checkbox"/> Minor	<input type="checkbox"/> Synthetic minor
<input type="checkbox"/> Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not a major modification per 401 KAR 51:017, 1(23)(b) or 51:052 1(14)(b)	

MISCELLANEOUS:

☐ Acid rain source
☐ Source subject to 112(r)
☒ Source applied for federally enforceable emissions cap
☐ Source provided terms for alternative operating scenarios
☐ Source subject to a MACT standard
☐ Source requested case-by-case 112(g) or (j) determination
☐ Application proposes new control technology
☒ Certified by responsible official
☒ Diagrams or drawings included
☐ Confidential business information (CBI) submitted in application
☐ Pollution Prevention Measures
☐ Area is non-attainment (list pollutants):

Emissions Summary:**Existing Source:**

Pollutants	POTENTIAL EMISSIONS (TPY)	ALLOWABLE EMISSION (TPY)	Actual¹ EMISSION (tpy)
PM10/PT	0.9475	NA	0.068
VOC	2162	90	17.34
SO2	0.075	NA	0.00537
CO	10.473	NA	0.75
NOx	12.46	NA	0.895
Naphthalene	1492	9.0	1.24
Combined HAPS	1492	22.5	1.24

1. Actual emissions are from the Kentucky Division for Air Quality's 2006 Emissions Inventory report.

Emissions from Revisions 1:

Pollutant	POTENTIAL EMISSIONS (TPY)	ALLOWABLE EMISSION (TPY)	Actual EMISSION (tpy)
PM10/PT	0.195	NA	0
VOC	4.168	NA	0
SO2	0.004	NA	0
CO	0.492	NA	0
NOx	0.586	NA	0
Naphthalene	0.012	NA	0
Ethylene Glycol	0.021	NA	0
Ethylene G. Monobutyl Ether	0.017	NA	0
Combined HAPS	0.05	NA	0

Source wide Emissions after modification (Revision 1):

Pollutant	POTENTIAL EMISSIONS (TPY)	ALLOWABLE EMISSION (TPY)	Actual¹ EMISSION (tpy)
PM10/PT	1.113	NA	0.068
VOC	2589	90*	17.34
SO2	0.088	NA	0.00537
CO	12.303	NA	0.75
NOx	14.647	NA	0.895
Naphthalene	1798	9.0**	1.24
Ethylene Glycol	0.021	9.0**	0
Ethylene G. Monobutyl Ether	0.017	NA	0
Combined HAPS	1798.066	22.5**	1.24

1. Actual emissions are from the Kentucky Division for Air Quality's 2006 Emissions Inventory report.

* The source has accepted a facility-wide limit on annual VOC emission to no more than 90 tons. The actual VOC emissions shall be calculated based on 12-month rolling total.

** The source has accepted a facility-wide limit on annual single HAP emissions to no more than 9.0 tons and combined HAPS 22.5 tons. The actual HAPS emissions shall be calculated based on 12-month rolling total

Conditional Major limits achieved by using an add on control (Thermal oxidizer).

Descriptions:

Continental Web Press of Kentucky is in the commercial lithographic printing industry.

Revision 1 (Minor Revision):

On October 23 2007, the Division received an application from the source for a minor revision to their conditional major permit F-03-003.

There are three (3), 8 – Color Heatset Web 72" Offset, printing presses currently operating at the facility. The source is proposing to add one 4- Color Heatset web printing press. The proposed new press is designed to replace Emission Point # 1 (8 – Color Heatset Web 35" Offset, Printing press #1).

Thermal oxidizer, Model: 24 TMO (EP # 04) was tested on April 2006. The destruction efficiency was determined to be at 90.94% with an established temp. of 1400⁰ F. The permit and Emission Inventory System has been updated accordingly.

The current source wide emission allowable for VOC is 90 tons per rolling 12-month period, 9 and 22.5 tons per rolling 12-month period for a single and combined HAPs respectively. These allowables will remain the same.